

ABSTRACT

An oil pump is provided with helical grooves 142 and 142' carved on the outer periphery of the shaft 125, with an approximately cup-shaped sleeve 146 loosely fit to the outer periphery of the shaft such that the bottom part of the shaft and the bottom plate of the above-mentioned sleeve are engaged in a relatively rotatable manner, and with a rotation suppression means for suppressing the rotation of the sleeve. Thereby, even at low rotation rate operation, oil is raised reliably to a compressor unit, offering a highly reliable compressor operation.